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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/893,137	06/27/2001	Pawan Chaturvedi	1699	4025

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EXAMINER	
WAHBA, ANDREW W	

ART UNIT	PAPER NUMBER
2661	

DATE MAILED: 06/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/893,137	CHATURVEDI ET AL.	
	Examiner	Art Unit	
	Andrew W. Wahba	2661	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *27 June 2001*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-53* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-32,34-48 and 51-53* is/are rejected.

7)☒ Claim(s) *33,49 and 50* is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *27 June 2001* is/are: a)☐ accepted or b)☒ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *08/29/01*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Drawings

1. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because current drawings are informal. Applicant is advised to employ the services of a competent patent draftsperson outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

2. Also, the applicant refers to exemplary destination 14 and exemplary destination 16 when referring to Figure 2 (Specification, page 8, line 11). Figure 2, however, illustrates access link 14 and access node 16. Also, the applicant refers to access link 16 (Specification, page 8, line 18). The applicant is advised to ensure that references to disclosed elements in the specification match elements illustrated in the figure 2 and anywhere else.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-32, 34-48 and 51-53 are rejected under 35 U.S.C. 102(b) as being anticipated by Nordman (US Patent 6,061,346).

With regard to claim 1, Nordman discloses a remote communication station 12 (user terminal) that includes a wireless host 32 and mobile terminal 16 as illustrated in figure 1 (column 6, lines 12-13). The wireless host 32 generates attach requests (receiving a request) pursuant to SGSN 82 (translation node) when using packet switch connections (packet data session) (column 5, lines 49-54). Nordman discloses connections between SGSN 82 and MSC/VLR 66 (bridging) via either backbone network 46 or BSC 62 as illustrated by figure 1. Nordman discloses that MSC/VLR 66 connects PSTN 68 (circuit data session / specified destination) (column 6, lines 51-54).

With regard to claim 2, requests can be made at either the remote communication station 12, a terminal connected to the PSTN 68, or a terminal connected to backbone network 46.

With regard to claims 3 and 4, it is inherent that the mobile terminal 16 of remote communication station 12 and the destination on PSTN 68 include a telephone number / user account information to uniquely identify the terminals.

With regard to claim 5, Nordman discloses that MSC/VLR 66 connects PSTN 68 (dial-up server) (column 6, lines 51-54).

With regard to claim 6, the interface between mobile terminal 16 and base transceiving base station BTS 52 is an air interface as illustrated in figure 1.

With regard to claim 7, Nordman discloses connections between remote communication station 12 and backbone network 46 via SGSN 82 as illustrated by figure 1. Should the remote communication 12 desire to communicate GGSN 92, it is inherent that packets would include a header (origination message) that further incudes

a source address and a destination address (packet data service code) that would indicate that the destination communicates using a packet-switched method.

With regard to claims 8, 9, 10 and 11, Nordman discloses connections (PPP session) between remote communication station and network 46 (entity that forwards packets) via SGSN 82 (translation node) as illustrated by figure 1. Authenticating traffic routed over the backbone ensures the validity of the wireless host identity WHI (identifier / predetermined network address) when the value is received at GGSN 92 (column 8, lines 20-23).

With regard to claim 12, Nordman discloses that MSC/VLR 66 (transparent to the user) forms connection with PSTN 68 (column 6, lines 51-54).

With regard to claim 13, 16 and 17, Nordman discloses a remote communication station 12 (user terminal) that includes a wireless host 32 and mobile terminal 16 as illustrated in figure 1 (column 6, lines 12-13). The wireless host 32 generates attach requests (receiving ... a request / transmitting) pursuant to SGSN 82 (translation node / translating) when using packet switch connections (packetizing) (column 5, lines 49-54). Nordman discloses connections (placing a circuit-switched call / sending the outgoing dial-up data stream) between SGSN 82 and MSC/VLR 66 via either backbone network 46 or BSC 62 as illustrated by figure 1. Nordman discloses that MSC/VLR 66 connects PSTN 68 (dial up data session / dial up data server) (column 6, lines 51-54). Likewise, a call may also be placed at the PSTN 68.

With regard to claims 14 and 15, Nordman discloses a MSC/VLR 66 that forms appropriate connections (embedding packets in the digital bit stream / depacketizing / including) between BSC 62 and a PSTN 68 (column 6, lines 51-54).

With regard to claim 18, Nordman discloses connections between SGSN 82 (PDSN) and MSC/VLR 66 via either backbone network 46 or BSC 62 as illustrated by figure 1.

With regard to claim 19, data forwarded to the user terminal would pass through BTS 52 (home agent) (column 6, 35-38).

With regard to claim 20 and 21, it is inherent that the mobile terminal 16 of remote communication station 12 and the destination on PSTN 68 include a telephone number. The telephone number acts as a destination address and would be passed to SGSN 83 (translation node).

With regard to claim 22, it is inherent that the mobile terminal 16 of remote communication station 12 and the destination on PSTN 68 include a telephone number (user account information). The telephone number acts as a destination address and would be passed to SGSN 83 (translation node).

With regard to claim 23, the office takes office takes Official notice that it is well known in the art to sent user account information that would include a username and password.

With regard to claim 24, 25, 26 and 27, Nordman discloses that the wireless host 32 (user terminal) generates attach requests (transmitting) pursuant to SGSN 82 (translation node / translating) when using packet switch connections (packetized data /

predetermined identifier) (column 5, lines 49-54). Nordman discloses BSC 62 (entity) that connects (PPP session) BTS 52 (base station) to SGSN 82 as shown in Figure 1 (column 6, lines 48-54).

With regard to claim 28, Nordman discloses connections between SGSN 82 (network access server / translation node) and MSC/VLR 66 via either backbone network 46 or BSC 62 as illustrated by figure 1.

With regard to claim 29, Nordman discloses a remote communication station 12 (user terminal) that includes a wireless host 32 and mobile terminal 16 as illustrated in figure 1 (column 6, lines 12-13). The wireless host 32 generates attach requests (receiving a user request) pursuant to SGSN 82 (intermediate packet-terminated destination) when using packet switch connections (first session / first service level) (column 5, lines 49-54). Nordman discloses connections (second session) between SGSN 82 and MSC/VLR 66 (bridging) via either backbone network 46 or BSC 62 as illustrated by figure 1. Nordman discloses that MSC/VLR 66 connects PSTN 68 (circuit-terminated destination / specified destination) (column 6, lines 51-54).

With regard to claims 30 and 31, the interface between mobile terminal 16 (mobile station) and base transceiving station BTS 52 (base station) is an air interface as illustrated in figure 1.

With regard to claim 32, Nordman discloses a remote communication station 12 (user terminal) that includes a wireless host 32 (host device) and mobile terminal 16 (mobile station) as illustrated in figure 1 (column 6, lines 12-13).

With regard to claim 34 and 37, it is inherent that the mobile terminal 16 of remote communication station 12 and the destination on PSTN 68 include a telephone number to uniquely identify the mobile.

With regard to claim 35, requests can be made / received at either the remote communication station 12, a terminal connected to the PSTN 68, or a terminal connected to backbone network 46.

With regard to claim 36, the wireless host 32 (user terminal) generates attach requests pursuant to SGSN 82 (intermediate packet-terminated destination) when using packet switch connections (first session) (column 5, lines 49-54).

With regard to claim 38 and 39, Nordman discloses that MSC/VLR 66 connects (places a dial-up call) PSTN 68 (circuit-terminated destination / specified destination) (column 6, lines 51-54). It is inherent that the mobile terminal 16 of remote communication station 12 and the destination on PSTN 68 include a telephone number (telephone number / user account information).

With regard to claim 40, the office takes office takes Official notice that it is well known in the art to sent user account information that would include a username and password.

With regard to claim 41, Nordman discloses a remote communication station 12 (user terminal) that includes a wireless host 32 and mobile terminal 16 as illustrated in figure 1 (column 6, lines 12-13). The wireless host 32 generates attach requests (receiving a request) pursuant to SGSN 82 (intermediate entity) when using packet switch connections (packet data session) (column 5, lines 49-54). Nordman discloses

connections between SGSN 82 and MSC/VLR 66 (bridging) via either backbone network 46 or BSC 62 as illustrated by figure 1. Nordman discloses that MSC/VLR 66 connects PSTN 68 (circuit data session / specified destination) (column 6, lines 51-54).

With regard to claim 42, the interface between mobile terminal 16 (user terminal) and base transceiving station BTS 52 (wirelessly / access link) is an air interface as illustrated in figure 1.

With regard to claims 43 and 44, it is inherent that the mobile terminal 16 of remote communication station 12 and the destination on PSTN 68 (specified destination / dial-up server) includes a telephone number to uniquely identify the mobile.

With regard to claim 45, Nordman discloses connections between SGSN 82 (intermediate node) and MSC/VLR 66 via either backbone network 46 or BSC 62 as illustrated by figure 1. Nordman discloses that MSC/VLR 66 connects PSTN 68 (circuit-switched) (column 6, lines 51-54).

With regard to claim 46, it is inherent that the mobile terminal 16 of remote communication station 12 and the destination on PSTN 68 (specified destination / dial-up server) includes a telephone number (user account information) to uniquely identify the mobile.

With regard to claim 47, Nordman discloses a remote communication station 12 (user terminal) that consists of a wireless host 32 (first processor) and a GSM mobile terminal 16 as illustrated by Figure 1 (column 5, lines 48-50 and column 6, lines 12-13). Nordman further discloses storage location 36 (first storage mechanism) and air links 54 and 56 (first communication interface ... over air interface) (column 6, lines 17-21 and

35-38). The wireless host 32 generates attach requests (session-setup message) pursuant to SGSN 82 when using packet switch connections (packet data session) (column 5, lines 49-54). Nordman discloses connections between SGSN 82 and MSC/VLR 66 via either backbone network 46 or BSC 62 as illustrated by figure 1. Nordman discloses that MSC/VLR 66 connects PSTN 68 (dial-up data session/ predetermined identifier) (column 6, lines 51-54).

With regard to claim 48, Nordman discloses that the wireless host 32 generates attach requests pursuant to SGSN 82 (translation node / second processor / second data storage mechanism / second communication interface) when using packet switch connections (packet data session) (column 5, lines 49-54). Nordman discloses connections between SGSN 82 and MSC/VLR 66 via either backbone network 46 or BSC 62 as illustrated by figure 1. Nordman discloses that MSC/VLR 66 (third communication interface) connects PSTN 68 (circuit data session / circuit terminated destination) (column 6, lines 51-54).

With regard to claim 51, Nordman discloses that the wireless host 32 generates attach requests pursuant to SGSN 82 (first communication interface) when using packet switch connections (packet-data) (column 5, lines 49-54). Nordman discloses connections between SGSN 82 and MSC/VLR 66 (second communication interface / processor / data storage / translate) via either backbone network 46 or BSC 62 as illustrated by figure 1. Nordman discloses that MSC/VLR 66 connects PSTN 68 (circuit data / dial-up data stream / dial-up data server) (column 6, lines 51-54).

With regard to claim 52, Nordman discloses BSC 62 (packet router) that connects BTS 52 to SGSN 82 (first communication interface) as shown in Figure 1 (column 6, lines 48-54).

With regard to claim 53, Nordman discloses a remote communication station 12 (user terminal) that includes a wireless host 32 and mobile terminal 16 (air interface) as illustrated in figure 1 (column 6, lines 12-13). The wireless host 32 generates attach requests pursuant to SGSN 82 (translation node) when using packet switch connections (packet data session) (column 5, lines 49-54). Nordman discloses connections between SGSN 82 and MSC/VLR 66 (bridging) via either backbone network 46 or BSC 62 as illustrated by figure 1. Nordman discloses that MSC/VLR 66 connects PSTN 68 (circuit data session / remote access server) (column 6, lines 51-54).

Allowable Subject Matter

5. Claims 33, 49 and 50 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew W Wahba whose telephone number is (571) 272-3081. The examiner can normally be reached on M-F 8:30-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau T Nguyen can be reached on (571) 272-3126. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Respectfully Submitted,

Andrew Wahba
Patent Examiner
May 26, 2005

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